

**Engineer's Estimate**  
**PROJECT: Union Transportation Trail Extension**  
**Townships of East Windsor, Robbinsville and Millstone**  
**Counties of Mercer and Monmouth, New Jersey**

Prepared by Hopewell Valley Engineering, P.C.  
HVE Project No.: 1101505B  
Date: 06/5/25

This estimate is based on the plans entitled "Construction Plan for Union Transportation Trail Extension" prepared by Hopewell Valley Engineering, P.C. dated 11/23/22 and last revised 05/20/25.

ITEM NO.	APPROXIMATE QUANTITIES	UNIT	DESCRIPTION OF ITEM	UNIT PRICE	AMOUNT
1	1	LS	Mobilization	\$50,000.00	\$50,000.00
2	1	LS	Site Clearing and Earthwork	\$120,000.00	\$120,000.00
3	1	LS	Soil Erosion and Sediment Control Measures	\$75,000.00	\$75,000.00
4	1	LS	Traffic Control	\$10,000.00	\$10,000.00
5	1	LS	Fuel Price Adjustment	\$3,000.00	\$3,000.00
6	1,800	SF	Thermoplastic (Road Markings)	\$15.00	\$27,000.00
7	90	EA	Traffic Signs	\$500.00	\$45,000.00
8	4,190	LF	Striping (Bicycle Lanes on Road)	\$10.00	\$41,900.00
9	1,820	SF	Gore Striping (Crosswalks)	\$15.00	\$27,300.00
10	10	EA	Rectangular Rapid Flashing Beacon	\$35,000.00	\$350,000.00
11	2,260	LF	Split Rail Fencing	\$30.00	\$67,800.00
12	3,420	LF	Black Vinyl Privacy Fencing	\$30.00	\$102,600.00
13	111	LF	15" Reinforced Concrete Pipe	\$25.00	\$2,775.00
14	6	EA	Flared End Section	\$1,000.00	\$6,000.00
15	1	LS	Stream Crossing #2 Headwalls	\$40,000.00	\$40,000.00
16	27	LF	84" Duromaxx SRPE Pipe	\$300.00	\$8,100.00
17	1	LS	Stream Crossing #3 Headwalls	\$20,000.00	\$20,000.00
18	25	LF	42" Duromaxx SRPE Pipe	\$100.00	\$2,500.00
19	1	LS	Stream Crossing #4 Headwalls (two pipes)	\$80,000.00	\$80,000.00
20	70	LF	84" Duromaxx SRPE Pipe	\$300.00	\$21,000.00
21	70	CY	Rip Rap (for all stream crossings)	\$85.00	\$5,950.00
22	10	EA	Concrete Curb Stop	\$100.00	\$1,000.00
23	254	SY	Concrete Apron 6" Class B	\$350.00	\$88,900.00
24	62	TON	Dense Graded Aggregate Base Course (concrete aprons)	\$90.00	\$5,580.00
25	3,115	TON	3/4" Clean Stone (trail base, parking area and apron shoulder)	\$90.00	\$280,350.00
26	1,297	TON	3/4" Clean Stone (trail base and apron shoulder)	\$90.00	\$116,730.00
27	1,346	TON	1/4" Clean Stone (trail top layer)	\$85.00	\$114,410.00
28	1	LS	Landscaping (as required by the NJDEP)	\$325,000.00	\$325,000.00
Subtotal					\$2,037,895.00
+5% Contingency					\$101,894.75
+15% CM/CI					\$305,684.25
<b>TOTAL CONSTRUCTION COST</b>					<b>\$2,445,474.00</b>

*Russell M. Smith*

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